



O. H. M. S.

*W. J. Gerald*  
Deputy Minister.

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LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA.

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BULLETIN No. 171

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CHEESE

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**INLAND REVENUE DEPARTMENT**  
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**BULLETIN No. 171**

**CHEESE**

OTTAWA, January 11, 1909.

W. J. GERALD, Esq.,  
Deputy Minister of Inland Revenue.

Sir,—I beg to hand you a report of work done upon 237 samples of cheese collected throughout Canada in October of last year. All the inspection districts are represented in this collection, which with the exception of two samples of skim-milk cheese (Nos. 845 and 35756) consists of ordinary Canadian, whole milk cheese. Since no standards have been established regarding this article, it is impossible to classify the samples herein reported, as above or below a normal. But the report is not on that account, without interest and value.

The fact that, in a collection of 237 samples of cheese, only two samples of skim-milk cheese were obtained, would seem to imply that the sale of skim-milk cheese is relatively unimportant in Canada; a very satisfactory state of things, since the demand for cheap and inferior articles of food is usually an indication of poverty on the part of consumers.

The collection is large enough to give value to the following generalizations, as regards water content in market cheese.

Inspection District.	Number of Samples.	Percentage of Water.		Mean.
		Maximum.	Minimum.	
Nova Scotia.....	15	32.76	20.06	26.47
Prince Edward Island.....	15	30.13	17.04	21.27
New Brunswick.....	15	32.00	23.24	26.89
Quebec.....	16	35.96	19.92	28.54
St. Hyacinthe.....	14	35.16	24.64	24.73
Montreal.....	15	34.06	13.60	26.17
Ottawa.....	15	34.92	23.28	28.80
Kingston.....	15	33.88	25.16	30.77
Toronto.....	15	33.28	22.12	27.09
London.....	21	31.20	17.92	25.57
Windsor.....	20	33.58	20.40	27.05
Manitoba.....	14	32.48	12.32	20.65
Calgary.....	15	28.80	16.92	23.53
Vancouver.....	15	32.20	23.68	28.26
Victoria.....	15	31.00	23.48	28.19
	233			27.00

The mean water content of Canadian whole milk cheese would therefore appear to be about 27 per cent. by weight of the cheese. This is probably a little below the truth, since although the samples were wrapped in double paraffined paper, and worked without unnecessary delay, it was inevitable that, an unknown, but probably quite small percentage of water should be lost by evaporation. This loss is probably not greater than that incident to such exposure as our cheese receives, in ordinary retail selling.

On account of the variation of water content a statement of the weight per cent. of fat in cheese conveys little useful information unless it is related to the dry matter of the cheese; that is, unless the water is taken into account. The column, in the accompanying table, headed "Fat percentage on dry substance," gives a data from which we may infer the character of the milk employed in making the cheese. The following synopsis gives an interesting presentation of this phase of the subject:—

FAT, as a percentage on the dry cheese—

	Samples.
Fat, below 1 per cent. on dry cheese.....	2
" from 32 to 40 per cent.....	8
" " 41 to 43 ".....	7
" " 44 to 45 ".....	40
" " 46 to 48 ".....	135
" " 49 to 50 ".....	34
" " above 50 ".....	11
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From this it appears that the great bulk of Canadian cheese contains from 44 to 48 per cent. of fat, reckoned on the dry cheese. This is true of 175 samples now reported, or nearly 74 per cent. of the entire collection. Of the remaining 36 per cent. of the collection, 19 per cent. contained above 48 per cent. of fat.

The Department of Agriculture of the United States has enacted a Standard for fat in cheese, reckoned on the dry substance requiring not less than 48 per cent. if the cheese is to be recognized as "Standard whole-milk Cheese, full Cream Cheese or Cream Cheese." Judged by this Standard only 31 per cent. of the present collection could be correctly described as "Standard whole-milk Cheese."

A Bill which has been drawn up by a committee appointed for the purpose, at the twelfth Annual Convention of the Association of State and National Food and Dairy Departments, held at Chicago, and which is proposed to be adopted by the different State legislatures as a Uniform Food Law, defines Cheese as follows:—

"Cheese is the sound, solid, and ripened product made from milk or cream by coagulating the casein thereof with rennet or lactic acid, with or without the addition of ripening ferments and seasoning, and contains, in the water-free substance, not less than fifty (50) per cent. of milk fat. Cheese may also contain added colouring matter."

Examination for fats, other than butter fat, has been made in all of the samples now reported and no foreign fat has been found in any of them. This is pretty conclusive evidence that so-called "filled" cheese is not known in Canada.

The only former occasion upon which cheese has been systematically examined by this branch, was in 1888, and the results of work upon 48 samples is published in Bulletin No. 6. of that year. The inspection in question had special regard to the introduction of foreign fats into cheese; and the results proved that Canadian cheese was uniformly genuine in this respect.

The present report would seem to indicate that 30 per cent. of water is a reasonable limit in ripened cheese; and I would respectfully suggest the legal adoption of 48 per cent. of fat, reckoned upon the dry cheese, as a reasonable minimum for a standard whole-milk Cheese.

I beg to recommend the publication of this report as Bulletin No. 171.

Yours truly,

A. MCGILL,  
Chief Analyst.



Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.
				Quantity.	Cents.	
DISTRICT OF NOVA SCOTIA—						
1908.						
Oct. 13	Cheese	33701	J. F. Miles, Sydney, N.S.	1 lb	17	Smith & Proctor, Sydney, N.S.
" 13	"	33702	A. D. Ingraham, Sydney, N.S.	1 "	17	" " "
" 15	"	33703	A. F. Ross & Co., Truro	1 "	18	Unknown
" 15	"	33704	H. W. Ryan, Truro	1 "	13	F. W. Fearman, Toronto, Ont.
" 16	"	33705	Boggs Bros., Kentville, N.S.	1 "	15	F. W. Fearman, Hamilton, Ont.
" 17	"	33706	Shand Bros., Windsor, NS	1 "	18	R. B. Seeton & Co., Halifax, N.S.
" 19	"	33707	W. J. Forrestall & Co., Halifax, N.S.	1 "	18	Smith & Proctor, Halifax, N.S.
" 19	"	33708	J. L. Archibald & Son, Halifax, N.S.	1 "	18	Bauld Bros., Halifax, N.S.
" 19	"	33709	Dillon Bros., Halifax, N.S.	1 "	20	Smith & Proctor, Halifax, N.S.
" 20	"	33710	Jas. McGregor, Halifax, N.S.	1 "	16	Unknown
" 20	"	33711	O'Neil & McLenhey, Halifax, N.S.	1 "	17	"
" 20	"	33712	Larder, Hulley & Co., Halifax, N.S.	1 "	20	R. H. Power, Halifax, N.S.
" 21	"	33713	R. N. McDonald, Halifax, N.S.	1 "	17	" " "
" 21	"	33714	T. F. Courtney & Co., Halifax, N.S.	1 "	18	Smith & Proctor, Halifax, N.S.
" 21	"	33715	W. J. Hubley Halifax, N.S.	1 "	18	Nickerson & Hart, Halifax, N.S.

## DISTRICT OF PRINCE EDWARD ISLAND—

Oct. 28	Cheese	31366	J. W. Morrison, North Tryon	1 lb	16	Emerald Cheese Factory, Emerald.
" 28	"	31367	M. Delaney, North Tryon	1 "	16	Emerald Dairy Co., Emerald.
" 29	"	31368	R. H. Cameron, Crapaud	1 "	16	Carvell Bros., Charlottetown
" 30	"	31369	Leslie Worth, Charlottetown	1 "	16	J. A. Farquharson, Charlottetown.
" 30	"	31370	P. Duffy, Charlottetown	1 "	18	A. J. Biffin, Charlottetown
Nov. 4	"	31371	McLeod & Johnson, Charlottetown.	1 "	16	Auld Bros., Charlottetown
" 5	"	31372	J. H. Myrick, Alberton	1 "	14	Alma Cheese Factory, Alma.
" 6	"	31373	D. D. Campbell, O'Leary	1 "	16	A. J. Thompson, Bloomfield.
" 6	"	31374	Sinclair & Stewart, Summerside.	1 "	16	Egmont Bay Cheese Factory, Egmont.
" 7	"	31375	W. H. Leslie, Kensington	1 "	16	Kensington Cheese Factory, Kensington.
" 13	"	31376	Wm. Sharam, Murray Harbour	1 "	17	Battenburg & Co., Ltd., Charlottetown.
" 14	"	31377	D. A. McLeod, Murray River	1 "	16	Carvell Bros., Charlottetown
" 16	"	31378	A. D. Ross, Eldon	1 "	15	Orwell Cheese Factory, Orwell.

## CHEESE.

Inspector's Report.	RESULTS OF ANALYSIS.							Remarks and Opinion of the Chief Analyst.
	Water.	Fat.	Total Ash.	Salt in Ash.	Curd by Difference.	Reading of Butyro-refractometer at 55° C.	Fat, per cent condensed & salted.	

## R. J. WAUGH, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.
.....	30.00	36.80	4.16	1.03	36.06	53.0	48.55
.....	24.44	36.44	3.34	0.83	33.73	53.0	50.67
.....	27.80	32.48	3.40	1.10	36.18	53.9	45.04
.....	22.04	36.92	3.00	0.48	38.04	52.6	47.86
.....	27.02	33.40	3.08	0.56	35.63	52.5	46.34
.....	21.30	29.64	4.12	1.30	44.68	52.2	37.60
.....	29.00	33.44	3.60	1.08	38.00	52.5	47.24
.....	24.48	36.12	3.66	1.11	35.74	51.5	47.63
.....	27.06	34.80	2.68	0.67	34.66	51.0	48.30
.....	32.76	31.12	3.64	1.12	32.48	52.5	46.28
.....	26.84	35.06	3.36	1.04	33.64	52.5	49.15
.....	25.72	36.52	3.00	0.69	34.76	53.0	49.17
.....	28.24	35.36	3.64	1.17	32.76	53.0	46.26
.....	31.24	32.48	2.82	0.48	33.26	53.0	47.24
.....	24.12	36.36	3.34	0.99	34.18	50.8	50.55

## T. MOORE, INSPECTOR.

Sample from out Cheese in store.	17.04	40.92	3.06	1.16	38.06	53.0	49.32
Sample as sold to customers..	24.88	36.20	3.56	0.87	35.34	51.7	48.10
Sample taken from cheese exposed for sale.	17.12	38.80	4.28	1.23	30.80	52.0	46.61
Sample taken from out cheese in store.	22.28	30.68	3.04	0.65	30.00	52.7	51.06
From cheese as sold in store..	18.56	41.74	3.40	1.17	36.20	52.2	51.40
Sample as sold in store.....	19.60	38.36	3.90	1.06	38.74	51.7	47.37
Sample from out cheese in retail store.	27.08	35.00	3.24	0.96	34.08	51.5	48.30
Sample of cheese as exposed for sale in store.	24.00	35.20	4.10	1.26	36.70	52.7	46.31
" " ..	30.13	33.44	4.00	1.15	32.43	52.7	47.86
Sample from Mr. Leslie, Manager of Factory.	25.08	36.30	4.00	0.77	34.72	52.8	48.32
Sample taken as sold to customers.	28.88	28.68	3.20	0.92	30.24	52.7	46.32
Sample from cheese exposed for sale.	27.06	33.20	3.28	0.98	36.46	51.5	45.50
Sample as sold to customers..	29.20	31.20	3.10	0.64	36.50	52.0	44.07

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Covr.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.
				Quantity.	Costs.	

## DISTRICT OF PRINCE EDWARD ISLAND—

1906.						
Nov. 18	Cheese . . . .	31279	F. White, Charlottetown . . . . .	1 lb . .	18	Carvell Bros., Charlottetown . .
" 18	" . . . .	31280	Ewen Cameron, Charlottetown . .	1 " . .	18	Dillon & Speltell, Charlottetown

## DISTRICT OF NEW BRUNSWICK—

Oct. 14	Cheese . . . .	29790	John Cogger, St. John, N.B. . . .	1 lb . .	20	G. F. Barbour Co., Ltd., St. John, N.B.
" 14	" . . . .	29800	H. M. Saunders, St. John, N.B. .	1 " . .	20	Northrup & Co., St. John, N.B.
" 15	" . . . .	29801	M. & H. Gallagher, St. John, N.B.	1 " . .	22	Joseph Campbell, Newtown, N.B.
" 15	" . . . .	29802	Albert E. Trentowsky, St. John, N.B.	1 " . .	20	A. F. McLaren Cheese Co., Toronto.
" 15	" . . . .	29803	W. L. Hogan, St. John, N.B. . .	1 " . .	20	Jones & Schofield, St. John, N.B.
" 15	" . . . .	29804	Day & Crabb, St. John, N.B. . .	1 " . .	18	F. W. Fearman & Co., Hamilton, Ont.
" 15	" . . . .	29805	Charles F. Francis & Co., St. John, N.B.	1 " . .	18	James Campbell, Sussex, N.B.
" 5	" . . . .	29806	W. B. McKay & Co., Sussex Kings Co., N.B.	1 " . .	20	Maritime Dairy Co., Sussex, N.B.
" 6	" . . . .	29807	H. T. Brewster, Moncton, N.B. .	1 " . .	20	F. P. Reid & Co., Moncton, N.B.
" 7	" . . . .	29808	M. Bannan, Newcastle, N.B. . .	1 " . .	20	F. W. Fearman & Co., Hamilton, Ont.
" 10	" . . . .	29809	B. M. Moran, Chatham, N.B. . .	1 " . .	20	A. F. Randolph & Son, Chatham, N.B.
" 18	" . . . .	29810	J. McKnight, Fredericton, N.B. .	1 " . .	20	" " . .
" 19	" . . . .	29811	W. S. Skillen, Woodstock, N.B. .	1 " . .	23	" " . .
" 21	" . . . .	29812	T. D. Sadler, Perth, N.B. . . . .	1 " . .	16	" " . .
" 21	" . . . .	29813	D. R. Bedell, Andover, N.B. . .	1 " . .	20	Baird & Peters, St. John, N.B.

## DISTRICT OF QUEBEC—

Oct. 16	Cheese . . . .	34450	Amédée Plourde, L'Islet . . . . .	1 lb . .	16	J. B. Thibodeau & Co., Quebec
" 16	" . . . .	34453	Irénée Allard, L'Islet . . . . .	1 " . .	16	Emond & Côté, Quebec . . . . .
" 16	" . . . .	34456	O. Corbonneur, L'Islet Station . .	2 " . .	10	" " . . . . .
" 21	" . . . .	34467	L. H. Levasseur, Rivière du Loup	1 " . .	16	Florentine Soucy, Olacro . . . .
" 21	" . . . .	34468	" " " " " " " " " " " "	1 " . .	25	F. Dupont, Rotterdam, Holland
" 21	" . . . .	34473	Martin Damien, Rivière du Loup	1 " . .	20	J. B. Thibodeau, Quebec . . . .
" 21	" . . . .	34475	Joseph Viel, Rivière du Loup . .	1 1/2 lb.	19	J. B. Renaud & Co., Quebec . .
" 21	" . . . .	34476	J. E. Pincau, Rivière du Loup . .	1 1/2 " .	23	" " " " " " " " " " " "





Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.
				Quantity.	Cents.	
DISTRICT OF QUEBEC—						
1908.						
Nov. 5	" .....	34484	Francois Bourgoïn, Tadousac ..	1 lb ..	15	Thod Demeull, Tadousac.....
" 6	" .....	34487	Cyrile Avrey, Pointe du Parnil...	1 " ..	16	Elzar Pôherres, St. Fidèle.....
" 9	" .....	34489	Alfred Larouche, Murray Bay...	1 " ..	17	Evangeline Dufour, Murray Bay
" 9	" .....	34490	Joseph Brassard, Murray Bay...	1 " ..	16	" " ..
" 10	" .....	34496	N. Desylva, Murray Bay .....	1 " ..	16	" " ..
" 10	" .....	34497	Elie Harvey, Murray Bay.....	1 " ..	15	" " ..
" 10	" .....	34499	Jos. Couturier, Murray Bay.....	1 " ..	15	Jule Prodette, Murray Bay....
" 30	" .....	36802	N. Boisseau, Rue St. Joseph.....	1 " ..	17	Unknown .....

## DISTRICT OF ST. HYACINTHE—

Oct. 8	Cheese ..	832	G. Paulin, Montreal.....	12 oz..	13	Whyte Packing Co., Montreal.
" 8	"	833	Russell's Market, Montreal .....	17 " ..	23	Olive, Dorion & Stroud, Montreal.
" 8	"	834	T. A. Wood & Co., Montreal....	1 lb ..	20	Whyte Packing Co., Montreal.
" 9	"	835	A. Manelli, 90 DeMontigny St., Montreal.	1 " ..	20	Gunn, Langlois & Co., Montreal
" 12	"	836	F. H. Chapleau, St. Agathe des Monta.	17 oz..	20	Jos. Bourgela, Montreal .....
" 13	"	837	E. E. Lafamme, St. Jerome.....	15 " ..	16	Mr. Sauvageau, St. Jerome....
" 14	"	838	L. A. Perrault, Joliette.....	18 oz..	18	J. J. Sournis, Joliette.....
" 14	"	839	Belair & Paquette, St. Eustache..	2 oz..	20	Laporte, Martin & Cie., Montreal.
" 14	"	840	R. Manahan, St. Lin.....	17 " ..	17	L. Chaput fils & Cie., Montreal.
" 15	"	841	P. Robert, Beaurivage Longue Pointe.	1 lb..	16	D. C. Bronseau & Cie., Ltd., Montreal.
" 16	"	842	A. July, Lachine .....	1 " ..	15	Mathews, Fortier & Monette, Montreal.
" 22	"	843	J. N. Primeau, Ahuntsic .....	1 " ..	16	A. McCullough & Co., Montreal
" 29	"	844	Rowlan Hill & Co., Valleyfield..	1 " ..	20	Gunn, Langlois & Cie., Montreal
" 30	"	845	B. Ram, Montreal .....	1 cheese	10	Not known.....
" 30	"	846	R. Turner, Montreal.....	1 lb..	20	Whyte Packing Co., Montreal.

## DISTRICT OF MONTREAL—

Oct. 8	Cheese .....	32731	P. C. Lemoine, Sorel.....	1 lb.	16	L. Chaput fils & Cie., Montreal.
" 9	"	32732	U. S. Hetherington, Sherbrooke..	1 " ..	18	Not given.....

## CHEESE.

Inspector's Report.	RESULTS OF ANALYSIS.							Remarks and Opinion of the Chief Analyst.
	Water.	Fat.	Total Ash.	Salt in Ash.	Curd by Difference.	Reading of Butyro-refrac- tometer at 25° C.	Fat, per cent on dry Substance.	

E. BELAND, INSPECTOR—*Concluded.*

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.
.....	27.92	36.20	2.68	0.86	32.20	51.1	50.22
.....	27.00	36.52	3.54	0.61	32.32	50.4	50.44
.....	29.20	33.72	3.54	1.00	33.54	51.1	47.02
.....	30.12	33.06	3.04	0.99	33.78	52.3	47.34
.....	29.60	34.40	3.00	0.99	33.00	51.8	48.87
.....	26.00	36.06	2.56	0.80	35.76	52.1	48.52
.....	27.72	34.64	3.54	0.90	34.10	50.8	47.92
.....	32.56	24.32	2.36	0.84	40.76	51.3	36.06

## J. C. ROULEAU, INSPECTOR.

.....	23.28	39.00	3.00	0.62	32.72	52.5	52.19
Cut from 5 lb. lump.....	28.90	34.32	3.68	1.04	32.20	52.6	48.27
" 10 ".....	33.06	31.38	3.82	0.65	31.74	52.3	46.86
" 5 ".....	26.72	36.40	3.80	0.82	33.08	53.0	49.67
" 5 ".....	24.92	35.48	4.24	1.30	35.36	52.6	48.41
" 20 ".....	24.64	30.16	3.70	1.28	32.50	53.1	51.96
" 10 ".....	35.16	28.88	3.06	0.57	32.90	52.3	43.61
Cheese marked J. B. L., 1, 10, '08.	29.72	32.80	3.44	0.85	34.04	52.6	46.67
Cut from a 10 lb. lump....	25.76	32.96	3.42	0.61	37.86	52.8	44.30
.....	31.68	32.16	3.34	0.69	32.92	52.3	47.07
.....	24.88	36.68	3.00	0.62	34.84	52.5	48.23
Cut from a 20 lb. cheese....	28.40	34.44	2.68	0.42	34.48	51.8	48.10
.....	28.72	34.52	3.04	0.87	33.72	51.5	48.43
Made by a process employed in Russia and other European Countries.	66.48	0.12	0.90	None	32.50	53.2	0.36 Fromage Blanc
Cut from a 20 lb. lump.....	30.48	32.16	2.50	0.39	34.68	51.6	46.27

## J. J. COSTIGAN, INSPECTOR.

.....	32.48	31.48	3.68	0.73	32.96	53.4	46.62
.....	31.00	34.74	3.20	0.96	30.46	53.5	50.70

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.
				Quantity.	Cents.	
DISTRICT OF MONTREAL—						
1906.						
Oct. 9	Cheese.....	32733	N. Lacroix, Sherbroke. ....	1 lb ..	30	L. Corriveau, Magog, P.Q.....
" 10	" .....	32734	McRae Bros., Richmond, P.Q....	1 " ..	18	Seth Carr, Richmond, P.Q. ....
" 10	" .....	32735	A. U. Beausoliel, Richmond, P.Q.	1 " ..	30	Not known.....
" 13	" .....	32736	Gregoris et frere, St. Hyacinthe.	1 " ..	18	" .....
" 13	" .....	32737	H. Messier, St. Hyacinthe. ....	1 " ..	20	" .....
" 14	" .....	32738	J. O. Montplaisir, Drummondville, P.Q.	1 " ..	18	" .....
" 14	" .....	32739	J. N. Turcotte, Drummondville, P.Q.	1 " ..	18	Hudon Herbert, Montreal.....
" 15	" .....	32740	Roberge & Roberge, Metford Mines	1 " ..	15	D. Raymond, Thetford, P.Q....
" 15	" .....	32741	Alphonse Blais, Metford Mines...	1 " ..	17	Not known.....
" 15	" .....	32742	Joseph Masson, Danville, P.Q....	1 " ..	17	A. Simard, Tingwick, P.Q.....
" 16	" .....	32743	F. W. Gibson, Danville, P.Q....	1 " ..	18	Not known.....
" 19	" .....	32744	A. E. D'Artois & fils, Farnham...	1 lb. 5 oz.	30	Joseph Brault, St. Alexandre, P.Q.
" 19	" .....	32745	J. Dagenais & Co., Farnham....	1 lb ..	17	Not given .....

## DISTRICT OF OTTAWA—

Sept. 30	Cheese .....	22724	P. A. McLaurin, Vankleek Hill..	1 lb ..	17	Aberdeen Factory, Vankleek Hill.
" 30	" .....	22725	W. George, Eganville.....	1 " ..	15	J. L. McKibbin, Eganville....
Oct. 3	" .....	22726	L. M. Davidson, Kemptville.....	1 " ..	20	McFadden, South Gower.....
" 6	" .....	22727	John McKinnon, Almonte.....	1 " ..	15	Ingersoll Packing Co., Ingersoll, Ont.
" 7	" .....	22728	Stephen Pilon, Rockland.....	1 " ..	15	Not known.. . . .
" 9	" .....	22729	Stewart Bros. Co., Penfrew.....	1 " ..	17	C. L. McCready, Admaston, Ont.
" 10	" .....	22730	McDougall & Carr, Finch.....	1 " ..	15	Lorne McLean, Finch.....
" 12	" .....	22731	Mrs. P. Brankin, Ottawa.....	1 " ..	15	Lerner & Moynour, Ottawa....
" 13	" .....	22732	Eustache Gougeon, Ottawa.....	2 " ..	16	Freedman, Ottawa. . . . .
" 12	" .....	22733	S. Diamond, Ottawa.....	1 " ..	16	" .....
" 12	" .....	22734	Jos. P. Valiquette, Ottawa.....	1 " ..	17	Lerner & Moynour, Ottawa....
" 12	" .....	22735	P. Lamoureux, Ottawa.....	1 " ..	13	" .....
" 12	" .....	22736	C. J. Neate, Ottawa.....	1 " ..	15	F. J. Castle Co., Ottawa. ....
" 12	" .....	22737	J. Johnston, Ottawa.....	1 " ..	16	Provost & Allard, Ottawa.....
" 13	" .....	22738	Carriere Bros., Ottawa.....	1 " ..	18	Lerner & Moynour, Ottawa....

## CHEESE—

Inspector's Report.	RESULTS OF ANALYSIS.							Remarks and Opinion of the Chief Analyst.
	Water.	Fat.	Total Ash.	Salt in Ash.	Cond. by Difference.	Reading of Butyro-refrac- tometer at 25° c.	Fat, per cent on dry Substance.	

J. J. COSTIGAN, INSPECTOR—*Concluded.*

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.
.....	34.08	29.11	3.00	0.69	33.81	53.5	44.16
.....	28.44	25.96	2.70	0.76	32.90	51.3	50.25
.....	30.96	33.72	2.76	0.57	32.56	51.1	48.84
.....	28.86	38.60	3.60	0.97	32.92	50.9	47.24
.....	27.32	35.72	3.44	0.99	33.52	50.2	46.15
.....	31.56	32.24	3.24	0.85	32.96	50.2	47.10
.....	26.76	37.20	2.16	0.34	33.88	52.6	50.79
.....	27.84	26.60	3.52	1.17	32.04	52.7	50.72
.....	22.72	34.72	3.76	0.97	32.86	50.6	44.98
.....	22.76	26.88	3.08	0.71	37.26	52.6	47.75
.....	13.60	40.28	3.60	1.24	42.52	53.0	46.62
.....	32.64	34.00	3.22	0.72	30.14	52.3	50.48
.....	31.06	35.04	2.90	0.90	31.06	52.5	50.78

## J. A. RICKEY, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.
.....	25.30	34.66	3.46	1.24	36.38	52.6	46.39
.....	26.26	32.42	3.96	1.35	34.36	52.8	46.56
.....	26.10	27.84	3.76	1.18	40.30	52.4	38.72
.....	26.82	32.88	3.06	0.76	36.64	52.3	45.67
.....	26.86	34.70	3.62	1.20	34.82	52.0	47.44
.....	30.00	31.80	3.68	1.06	34.32	53.0	45.43
.....	31.00	26.06	3.42	1.18	37.42	52.9	40.69
.....	32.40	33.50	2.62	0.97	31.42	52.5	46.56
.....	24.44	35.06	3.74	0.85	36.74	51.2	46.43
.....	30.20	35.52	2.44	0.40	31.84	52.5	50.60
.....	23.26	30.66	3.90	0.80	42.14	52.2	39.99
.....	24.92	32.30	2.64	0.77	30.14	52.5	49.62
.....	30.80	22.40	4.00	1.11	31.80	50.8	46.27
.....	26.84	22.76	2.26	0.65	35.12	52.2	46.04
.....	22.24	31.60	3.12	0.97	31.96	52.0	47.24



## BULLETIN No. 171—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity.	Cents.	

## DISTRICT OF KINGSTON—

1906.						
Oct. 28	Cheese	36031	A. Glover, Kingston	1 lb	17	J. Y. Parkhill, Kingston
" 28	"	36032	J. E. Purdy, Renfrew	1 "	17	" " "
" 29	"	36033	Wm. Davies Co., Renfrew	1 "	20	" " "
Nov. 2	"	36034	A. T. Kimmerly, Napanee	1 "	18	Thompson, Napanee
" 2	"	36035	F. H. Perry, Napanee	1 "	20	W. F. Gerow, Napanee
" 5	"	36036	R. Elvins, Belleville	1 "	18	Not known
" 8	"	36037	H. E. Fairfield, Belleville	1 "	20	Gunn's, Ltd., Montreal
" 2	"	36038	P. J. McGinness, Belleville	1 lb	20	Sprague, Belleville
" 2	"	36039	Wallbridge & Clark, Belleville	1 "	16	F. Brenton, Belleville
" 2	"	36040	J. D. Harker, Belleville	1 "	20	Oak Leaf Norwood
" 2	"	36041	G. Person, Belleville	1 "	16	Silver Spring, Picton
" 2	"	36042	J. Panter, Belleville	1 "	17	F. Brenton, Belleville
" 2	"	36043	J. H. P. Young, Belleville	1 "	16	Sprague, Belleville
" 2	"	36044	G. Boyle, Belleville	1 "	16	W. S. Cook & Son, Belleville
" 2	"	36045	W. T. Patterson, Belleville	1 "	15	Gunn's Ltd., Toronto

## DISTRICT OF TORONTO—

Oct. 12	Cheese	36121	R. Burnett, Durham	1 lb	17	J. Blyth, Verney, P.O.
" 13	"	36122	Brock MacCauley, Southampton	1 "	18	W. A. Fearman, Hamilton
" 13	"	36123	Falconer Bros., Port Elgin	1 "	19	A. M. Smith, London
" 14	"	36124	W. H. McFarlane, Paisley	1 "	20	Elliott & Marr Co., London
" 14	"	36125	John Hunstin, Mildmay	1 "	15	John Sloan & Co., Toronto
" 15	"	36126	Schwint & Muter, Hanover	1 "	16	Simpson Co., Guelph
" 15	"	36127	Halliday & Davies, Chelms	1 "	17	J. K. Brown, Ethil P.O.
" 16	"	36128	T. C. Allan, Warton	1 "	15	McDugal & Lamon, Owen Sound
" 16	"	36129	A. W. McFaul, Owen Sound	1 1/2 "	27	The Ingersoll Packing Co., Ingersoll
" 19	"	36130	Jac. J. Rae, Shouffville	1 "	17	J. Wells, Eversley, P.O.
" 19	"	36131	H. Wright, Markham	1 "	20	F. W. Humphrey, Toronto
" 20	"	36132	H. J. Gould, Uxbridge	1 "	20	Gunn's Ltd., Toronto
" 21	"	36133	Lock Radcliffe, Toronto	1 "	17	J. A. McLean Produce Co., Ltd. Toronto

## CHEESE.

Inspector's Report.	RESULTS OF ANALYSIS.							Remarks, and Opinion of the Chief Analyst.
	Water.	Fat.	Total Ash.	Salt in Ash.	Curd by Difference.	Reading of Butyro-refractometer at 25° C.	Fat, per cent on dry Substance.	

## JAS. HOGAN, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.
.....	31.12	32.08	3.34	0.61	33.40	49.3	43.57
.....	26.88	36.00	3.06	0.67	34.06	52.3	49.23
.....	28.48	33.20	3.18	0.71	35.14	52.3	46.11
.....	30.80	31.76	3.56	1.08	33.88	52.1	46.89
.....	33.48	31.00	3.00	0.90	31.92	52.1	46.60
.....	31.32	33.40	3.30	1.03	31.56	51.7	46.03
.....	28.60	36.52	3.10	0.78	31.78	51.2	51.15
.....	33.88	31.96	3.04	0.70	31.12	50.7	48.64
.....	31.60	31.84	3.16	0.57	32.40	52.3	46.56
.....	33.76	31.12	2.98	0.82	32.14	52.3	46.99
.....	33.56	29.96	3.36	0.92	32.12	51.0	45.06
.....	28.24	32.96	3.20	0.86	32.00	50.1	48.03
.....	31.60	31.34	2.82	0.75	33.74	50.5	46.84
.....	32.16	31.52	2.76	0.64	32.56	52.6	47.16
.....	26.16	34.76	2.80	0.58	37.18	52.7	46.46

## H. J. DAGER, INSPECTOR.

.....	31.56	33.08	3.10	0.70	32.36	50.7	48.34
.....	32.24	31.20	3.10	0.71	32.47	49.8	46.75
.....	30.28	32.80	4.04	0.84	32.88	51.3	47.05
.....	28.08	34.20	2.98	0.71	32.14	53.1	46.26
.....	24.40	32.76	3.26	0.74	36.55	53.5	46.77
.....	22.12	30.00	3.34	0.86	34.76	52.4	50.44
.....	24.24	31.00	4.24	1.03	37.72	50.5	44.80
.....	27.20	33.20	3.42	1.04	36.18	52.1	45.80
.....	27.76	32.56	2.80	0.53	36.88	52.4	45.07
.....	27.44	36.20	3.00	1.12	38.76	52.4	48.51
.....	23.68	36.08	3.34	0.63	36.90	49.3	47.23
.....	24.00	32.00	3.46	1.04	33.96	52.5	50.73
.....	27.00	32.00	3.22	0.62	34.18	53.3	48.77

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.
				Quantity.	Cents.	

## DISTRICT OF TORONTO—

Oct.	22	Cheese . . . .	36134	D. J. Forrest, Hamilton . . . . .	1 lb . .	17	A. W. Robertson, Mohak, P.O.
"	26	" . . . .	36135	H. Tulchord, Toronto . . . . .	1 " . .	20	Rutherford, Marshall & Co., Toronto.

## DISTRICT OF LONDON—

Oct.	7	Cheese . . . .	30504	Alexander Bisnet, Kincardine . . . . .	1 lb . .	15	Millerton Cheese Co., Bruce Co.
"	7	" . . . .	30505	R. A. Clinnie, Listowell . . . . .	1 " . .	15	Wallace Cheese Factory, Wallace Township.
"	8	" . . . .	30511	Richard Smith, Seaford . . . . .	1 " . .	15	Elliot, Marr & Co., London . .
"	12	" . . . .	30518	T. Bleasom, Clinton . . . . .	1 " . .	16	Geo. Watts & Co., Brantford . .
"	18	" . . . .	30519	H. Wilsie . . . . .	1 " . .	17	White Packing Co., Stratford .
"	15	" . . . .	30526	L. Walsh, St. Mary's . . . . .	1 " . .	18	John Garvey, London . . . . .
"	15	" . . . .	30528	Oman & Mallon, Stratford . . . . .	1 " . .	17	Stratford Grocery, Stratford . .
"	15	" . . . .	30530	Walsh Bros., Stratford . . . . .	1 " . .	16	Thos. Balantine Co., Stratford.
"	15	" . . . .	30532	Jas. Lloyd, Stratford . . . . .	3 cups	25	McLaurin Cheese Co., Toronto.
"	13	" . . . .	30535	Mr. H. Killoran, Stratford . . . . .	3 " . .	16	Not known . . . . .
"	16	" . . . .	30539	M. Durkin, Mitchell . . . . .	1½ " .	20	John Steacy, Willow Grove, Mitchell.
"	20	" . . . .	30541	Peter Dill . . . . .	1½ " .	16	Stratford Grocery Co., Stratford.
"	21	" . . . .	30544	W. R. Davis, Hensall . . . . .	1½ " .	25	Ingersoll Cream Cheese Co., Ingersoll.
"	21	" . . . .	30546	Carling Bros., Exter . . . . .	1½ " .	13	Edward Adams, London . . . .
"	22	" . . . .	30551	J. W. Ortwine, Hensall . . . . .	1½ " .	16	T. B. Escott, London . . . . .
"	5	" . . . .	30982	C. A. Narin, Goderich . . . . .	1½ " .	20	Mr. Fearman, Hamilton . . . . .
"	5	" . . . .	30983	McEwan Bros., Goderich . . . . .	1½ " .	20	Glasco, McPherson & Co., Hamilton.
"	5	" . . . .	30986	W. L. Lindsay, Goderich . . . . .	1½ " .	15	Edward Adams & Co., London
"	6	" . . . .	30991	Jas. Cutt, Blyth . . . . .	1½ " .	18	Stratford Grocery, Stratford . .
"	6	" . . . .	30998	Ker and Bird, Wingham . . . . .	1½ " .	15	Geo. Watts & Son, Brantford.
"	7	" . . . .	31000	Edward Renker, Kincardine . . . . .	1½ " .	20	Mains & McCallim, Kincardine

## DISTRICT OF WINDSOR—

Oct.	7	Cheese . . . .	34609	Mrs. T. Boug, London . . . . .	1 lb . .	16	Scandrett Bros., London . . .
"	8	" . . . .	34613	H. Geach, London . . . . .	1 " . .	17	Not known . . . . .

## CHEESE.

Inspector's Report.	RESULTS OF ANALYSIS.							Remarks and Opinion of the Chief Analyst.
	Water.	Fat.	Total Ash.	Salt in Ash.	Card by Difference.	Reading of Butyr.-re- tometer at 25° c.	Fat, per cent on dry Substance.	

H. J. DAGER, INSPECTOR.—*Continued.*

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.
.....	27.56	33.88	3.48	0.78	34.96	53.3	46.77
.....	29.80	30.64	3.56	0.92	36.00	50.3	43.65

T. KIDD, INSPECTOR.

.....	25.92	34.00	3.38	0.46	37.10	52.7	45.89
.....	27.48	32.92	3.78	0.94	35.84	52.1	45.39
.....	29.72	35.08	3.50	0.66	31.80	51.3	49.91
.....	29.28	34.28	3.60	0.68	32.84	52.0	48.47
.....	26.12	34.44	3.90	1.05	35.84	53.0	46.61
.....	30.08	30.84	3.88	0.64	35.20	52.5	44.10
.....	27.92	33.76	3.60	0.58	34.72	51.6	46.84
.....	31.20	22.16	2.74	0.22	33.90	52.1	32.20
.....	29.56	31.72	3.40	0.68	35.32	51.2	45.03
.....	28.68	32.72	3.28	0.48	35.32	52.8	45.86
.....	26.08	33.72	3.56	0.84	36.64	53.0	45.75
.....	21.92	35.20	3.56	0.75	39.32	52.8	45.09
.....	29.22	31.20	3.40	0.98	36.08	52.8	44.14
.....	22.40	36.08	3.48	0.80	38.12	50.5	46.49
.....	20.56	32.56	3.44	0.66	42.44	53.5	40.99
.....	23.32	33.52	3.44	0.54	39.22	51.5	43.71
.....	24.80	34.24	3.24	0.52	37.72	53.0	45.53
.....	22.04	34.28	4.14	0.82	39.46	51.0	44.68
.....	24.68	33.72	4.20	0.74	37.20	52.4	44.86
.....	27.80	32.36	2.76	0.56	37.08	51.2	44.82
.....	17.92	39.52	4.40	0.94	38.16	51.1	48.15

JOHN TALBOT, INSPECTOR.

Cut from cheese in store.....	33.68	30.42	3.66	0.82	32.32	52.2	45.79
.....	36.88	31.84	3.92	0.97	36.49	52.0	44.73



Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.
				Quantity.	Costs.	

## DISTRICT OF WINDSOR—

1908.						
Oct.	8	Cheese . . . .	34617 Mrs. J. T. Odell, London . . . .	1 lb.	16	Scandrett Bros., London . . . .
"	8	" . . . .	34622 E. & O. Boug, London . . . .	1 "	16	" " . . . .
"	8	" . . . .	34626 Mrs. Pugh, London . . . .	1 "	16	Not known . . . .
"	14	" . . . .	34637 J. S. Gesner, Ridgeway . . . .	1 "	16	M. Masurett & Co., London . .
"	15	" . . . .	34640 A. Campbell, Leamington . . . .	1 "	15	J. T. Smyth & Co., Windsor, Ont.
"	15	" . . . .	34641 Robinson Bros., Leamington . . . .	1 "	10	" " . . . .
"	15	" . . . .	34642 P. Phillips, Leamington . . . .	1 "	16	M. Masurett & Co., London . .
"	15	" . . . .	34643 R. Wigle & Co., Leamington . . . .	1 "	16	Geo. Watt, Brantford . . . .
"	15	" . . . .	34647 Geo. McIntyre, Leamington . . . .	1 "	16	Not known . . . .
"	15	" . . . .	34650 E. R. Woodwise, Kingsville . . . .	1 "	25	M. Masurett & Co., London . .
"	16	" . . . .	34655 Frank Hutton, Windsor . . . .	1 "	18	Ingersoll Packing Co., Ingersoll
Nov.	10	" . . . .	34663 W. E. Ross, St. Thomas . . . .	1 "	17	Edwin Finger, St. Thomas . .
"	10	" . . . .	34665 Steadman & Duncan, St. Thomas . . . .	1 1/2 lb.	24	A. M. Smith & Co., London . .
"	10	" . . . .	34671 Young & Caven, Aylmer, Ont. . . .	1 lb.	16	Not known . . . .
"	11	" . . . .	34675 W. J. Wilkins, Tillsonburg . . . .	1 "	15	Geo. E. Watts & Son, Brantford.
"	11	" . . . .	34680 Ray P. Colburn, Tillsonburg . . . .	1 "	16	Campbell Town Cheese Co., Tillsonburg.
"	18	" . . . .	34703 Thos. H. Jones, London South . . . .	1 "	14	E. Adams & Co., London . . . .
"	18	" . . . .	34709 Millson Trelecock, London . . . .	1 1/2 lb.	20	A. M. Smith & Co., London . .

## DISTRICT OF MANITOBA—

Nov.	5	Cheese . . . .	35750 W. J. Barr, Neepawa . . . .	1 lb.	20	G. F. J. Galt, Winnipeg . . . .
"	6	" . . . .	35751 Broadfoot Bros, Gladstone . . . .	1 "	20	A. Macdonald & Co., Winnipeg
"	10	" . . . .	35752 Hunter & Aitken, Boissevain . . . .	1 "	20	The Cadville Co., Ltd., Winnipeg.
"	11	" . . . .	35753 W. M. Roller, Killarney . . . .	1 "	15	Mr. N. Clark, Killarney, Man.
"	11	" . . . .	35754 Hudson Bay Co., Deloraine . . . .	1 "	20	Not given . . . .
"	16	" . . . .	35755 G. French, Souris . . . .	1 "	20	" . . . .
"	18	" . . . .	35756 H. Cooperman, Brandon . . . .	1 "	10	S. Barosh, Wapella, Sask . . . .
"	19	" . . . .	35757 C. W. Barkwell, Treherne . . . .	1 "	20	Foley, Lock, Larson, Winnipeg
"	19	" . . . .	35758 J. G. McGowan & Co., Treherne . . . .	1 "	15	The Jobin Marrin Co., Winnipeg.
"	19	" . . . .	35759 W. F. Schooley, Holland . . . .	1 "	20	" " . . . .

## CHEESE.

Inspector's Report.	RESULTS OF ANALYSIS.							Remarks and Opinion of the Chief Analyst.
	Water.	Fat.	Total Ash.	Salt in Ash.	Cond. by Difference.	Reading of Butyro-refractometer at 25° c.	Fat, per cent on dry Substance.	

## JOHN TALBOT, INSPECTOR—Continued.

Cut from cheese in store. ....	30.80	33.60	3.48	0.88	31.11	53.3	47.11
" .....	26.52	33.46	3.16	0.63	35.92	53.5	45.41
" .....	33.14	36.14	3.66	0.74	36.64	53.5	39.09
" .....	21.56	35.84	3.94	0.86	36.76	53.0	45.60
" .....	24.32	35.86	3.40	0.61	36.40	53.3	44.77
" .....	27.24	33.04	3.90	0.91	35.82	52.6	45.40
" .....	29.16	33.36	3.74	0.81	34.74	53.5	47.00
" .....	20.40	37.60	3.10	0.52	36.90	53.5	47.24
" .....	26.12	36.56	3.26	0.74	33.04	51.6	53.19
" .....	23.92	35.08	3.08	0.60	36.72	52.2	46.80
" .....	30.20	31.24	2.96	0.70	35.60	53.0	44.70
" .....	25.20	34.20	3.04	0.74	36.56	53.2	45.72
" .....	20.56	35.52	4.24	1.15	30.68	51.4	44.72
" .....	26.28	34.72	4.04	0.81	34.96	51.6	47.00
" .....	25.72	35.68	3.40	0.72	35.20	52.8	46.04
" .....	27.96	32.32	3.74	0.84	35.96	52.7	44.87
" .....	26.84	32.56	3.56	0.81	34.04	52.6	46.41
" .....	26.76	34.22	2.66	0.66	35.66	53.0	47.66

## A. C. LARIVIERE, INSPECTOR.

.....	14.96	42.60	3.06	0.78	38.78	51.1	50.09
.....	20.64	36.96	3.96	1.03	36.42	51.6	49.09
.....	20.40	40.60	4.30	1.36	34.70	51.8	51.00
.....	30.00	34.12	4.00	0.92	31.66	51.1	48.74
.....	12.32	42.62	3.64	0.96	41.40	52.1	48.60
.....	24.80	37.32	3.24	0.88	34.64	51.5	49.63
.....	56.76	0.32	2.96	1.36	39.96	52.5	00.74
.....	26.96	30.46	3.64	0.81	37.00	51.6	43.79
.....	22.48	32.48	2.00	0.76	32.01	52.5	48.10
.....	26.80	26.76	2.44	0.35	34.00	51.9	50.22

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.
				Quantity.	Cents.	

## DISTRICT OF MANITOBA—

1908.						
Nov. 19	Cheese . . . .	35700	G. Barkwell, Holland . . . . .	1 lb .	10	Not given . . . . .
" 20	" . . . .	35701	J. W. Cambieford, Carman . . . . .	1 " .	20	Foley Bros. & Larson, Winni- peg.
Dec. 9	" . . . .	35702	G. T. Hoyer, Elmwood P.O., Winnipeg.	1 " .	20	Not given . . . . .
" 10	" . . . .	35703	R. L. Hood & Co., Oak Lake . . . . .	1 " .	20	" . . . . .
" 11	" . . . .	35705	Mrs. E. Winkle, Winnipeg . . . . .	1 " .	20	A. MacDonald & Co., Winni- peg.

## DISTRICT OF CALGARY—

Nov. 16	Cheese . . . .	35431	Calgary Milling Co., Calgary . . . . .	1 lb .	20	Flavalle Bros., Lindsay, Ont . .
" 16	" . . . .	35432	J. A. Nolan, Calgary . . . . .	1 " .	20	Balfour & Snyce, Hamilton . . .
" 16	" . . . .	35433	Wood & Green, Calgary . . . . .	1 " .	20	C. R. Dickson & Co., Ltd., Cal- gary.
" 16	" . . . .	35434	P. J. Morrow, Calgary . . . . .	1 " .	20	Plunkett & Savage, Calgary . .
" 16	" . . . .	35435	Fred Langston, Calgary . . . . .	1 " .	20	" . . . . .
" 16	" . . . .	35436	D. M. Roade, Calgary . . . . .	1 " .	20	C. R. Dickson & Co., Ltd., Cal- gary.
" 16	" . . . .	35437	J. Austin, Calgary . . . . .	1 " .	20	J. Y. Griffin & Co., Calgary . .
" 16	" . . . .	35438	Wiggins & Co., Calgary . . . . .	1 " .	20	" . . . . .
" 24	" . . . .	35439	H. W. Ireland, Medicine Hat . . . . .	1 " .	20	Balfour Snyce & Co., Hamilton .
" 24	" . . . .	35440	Spencer & Todd, Medicine Hat . . . . .	1 " .	20	" . . . . .
" 24	" . . . .	35441	R. Dunn, Medicine Hat . . . . .	1 " .	20	" . . . . .
" 24	" . . . .	35442	Mrs. Brougham, Medicine Hat . . . . .	1 " .	20	J. Y. Griffin & Co., Calgary . .
" 24	" . . . .	35443	L. B. Cochran, Medicine Hat . . . . .	1 " .	20	Codville Co., Ltd., Winnipeg . .
" 24	" . . . .	35444	Hudson Bay Co., Lethbridge . . . . .	1 " .	20	Hudson Bay Co., Winnipeg . . .
" 24	" . . . .	35445	Bentley & Co., Lethbridge . . . . .	1 " .	20	F. W. Fearman & Co., Hamilton

## DISTRICT OF VANCOUVER—

Oct. 14	Cheese . . . .	37521	H. W. Jones, Epworth . . . . .	1 lb .	20	Melrose Falls, Cheese Co., To- ronto.
" 14	" . . . .	37522	Main Grocery, Grandview . . . . .	1 " .	20	Not known . . . . .
" 14	" . . . .	37523	Grandview Retail Store, Grand view.	1 " .	20	W. J. McMillan & Co., Van- couver.
" 14	" . . . .	37524	A. E. Field, Grandview . . . . .	1 " .	20	Hudson Bay Co., Vancouver . .
" 15	" . . . .	37525	E. Hunt, Steveston, B.C . . . . .	1 " .	25	Not known . . . . .
" 15	" . . . .	37526	Griggs & Co., Eburne, B.C . . . . .	1 " .	20	Kelly Douglas & Co., Vancouver

## CHEESE.

Inspector's Report.	RESULTS OF ANALYSIS.							Remarks and Opinion of the Chief Analyst.
	Water.	Fat.	Total Ash.	Salt in Ash.	Cond by Difference.	Reading of Butyro-refrac- tometer at 25° C.	Fat, per cent on dry Substance.	

## A. C. LARIVIERE, INSPECTOR—Continued.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
.....	26.70	30.00	2.60	0.12	35.24	51.1	49.11	
.....	32.20	32.00	3.00	0.72	32.72	52.3	47.19	
.....	31.25	32.48	2.92	0.61	33.32	50.8	47.27	
.....	31.08	33.96	3.29	0.63	31.08	53.0	45.30	
.....	31.48	31.80	2.60	0.77	34.12	51.0	46.40	

## R. W. FLETCHER, INSPECTOR.

.....	17.12	30.08	4.24	1.24	30.36	51.8	47.15	
.....	19.36	37.80	3.60	0.71	30.18	52.6	46.88	
.....	22.52	36.80	3.92	0.90	37.70	51.2	47.49	
.....	25.20	35.32	3.92	0.90	35.56	52.1	47.22	
.....	16.92	38.40	3.84	0.92	40.84	51.5	46.22	
.....	17.24	41.16	3.08	1.35	37.62	52.8	49.73	
.....	23.68	35.72	4.00	0.77	36.60	53.0	46.72	
.....	23.12	39.80	3.62	1.13	33.46	52.5	51.77	
.....	26.00	29.16	3.78	1.10	41.06	52.8	39.40	
.....	27.08	34.16	3.32	0.91	35.44	52.8	45.84	
.....	27.52	34.08	4.24	1.11	34.16	52.7	47.02	
.....	34.20	34.72	3.86	0.97	37.32	51.5	45.80	
.....	27.12	35.06	3.82	1.12	35.98	52.5	46.13	
.....	27.04	34.52	3.56	0.63	34.88	52.5	47.31	
.....	28.80	33.60	2.74	0.64	34.86	53.0	47.19	

## J. F. POWER, INSPECTOR.

.....	29.28	32.00	3.64	0.55	35.08	53.0	45.25	
.....	26.56	32.44	4.08	0.85	36.92	52.5	44.17	
.....	29.84	30.68	2.92	0.60	36.56	53.0	43.73	
.....	25.96	32.20	3.74	0.75	38.10	53.0	43.49	
.....	30.68	31.72	3.62	0.78	33.98	52.2	45.76	
.....	28.00	33.36	3.04	0.48	36.00	52.0	44.94	



Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.
				Quantity.	Cents.	

## DISTRICT OF VANCOUVER—

1908.						
" 15	Cheese	37527	R. Sharfee	1 lb.	40	Not known.
" 15	"	37528	A. Murray, Mount Pleasant	1 "	20	Hudson Bay Co., Vancouver.
" 16	"	37529	C. A. Welch, New Westminster.	1 "	30	Melrose Cheese Co.
" 16	"	3753	E. S. Annandale, New Westminster.	1 "	20	Melford Cheese Co.
" 16	"	37531	West End Grocery, New Westminster.	1 "	20	Langley Cheese Co., Langley, B.C.
" 20	"	37532	F. Consula, Cemetery Road.	1 "	20	Kelley Douglas & Co., Vancouver.
" 20	"	37533	Bryant Grocery, South Vancouver	1 "	30	E. W. Leeson Co., Vancouver.
" 20	"	37534	Ideal Grocery, Vancouver	1 "	20	Not known.
" 21	"	37535	A. R. Stacey, North Vancouver.	1 "	20	N. Lemieux, St. Pierre, Man.

## DISTRICT OF VICTORIA—

Nov. 18	Cheese	39227	Windsor Grocery Co., Victoria, B.C.	1 lb.	25	J. Y. Griffin & Co., Vancouver, B.C.
" 18	"	39228	The Saunders Grocery Co., Ltd., Victoria, B.C.	1 "	20	R. G. Rithel & Co., Ltd., Victoria.
" 19	"	39229	Harrison & MacDonald, Victoria, B.C.	1 "	25	J. Y. Griffin & Co., Vancouver
" 19	"	39230	West End Grocery Co., Victoria, B.C.	1 "	25	R. G. Rithel & Co., Ltd., Victoria.
" 19	"	39231	Fred Carne, Victoria, B.C.	1 "	25	F. R. Stewart & Co., Victoria.
" 20	"	39232	Jalland Bros., Victoria, B.C.	1 "	20	J. Y. Griffin & Co., Vancouver
" 20	"	39233	Acton Bros., Victoria, B.C.	1 "	25	F. R. Stewart & Co., Victoria.
" 20	"	39234	The Vic. Rochdale Co-op. Ass'n., Ltd., Victoria, B.C.	1 "	20	J. Y. Griffin & Co., Vancouver
" 20	"	39235	Wm. B. Hall, Victoria, B.C.	1 "	25	J. H. Todd & Son, Victoria.
" 23	"	39236	Copas & Young, Victoria, B.C.	1 "	20	W. H. Malkin, Vancouver
" 23	"	39237	W. Speed, Victoria, B.C.	1 "	25	J. W. Morris, Victoria.
" 23	"	39238	Dixie H. Ross & Co., Victoria, B.C.	1 "	25	J. Y. Griffin, Victoria.
" 24	"	39239	Scott & Peden, Victoria, B.C.	1 "	25	Naimith & Co., Vancouver.
" 24	"	39240	J. Renouf, Victoria, B.C.	1 "	25	J. H. Todd & Sons, Victoria.
" 25	"	39241	F. E. Plummer, Victoria, B.C.	1 "	20	" "

## CHEESE

Inspector's Report.	RESULTS OF ANALYSIS.							Remarks and Opinion of the Chief Analyst.
	Water.	Fat.	Total Ash.	Salt in Ash.	Curd by Difference.	Reading of Butyrometer at 55° C.	Fat, per cent on dry substance.	

## J. F. POWER, INSPECTOR—Concluded.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.
.....	26.34	30.48	3.72	0.56	30.86	51.4	41.22
.....	26.68	30.90	3.68	0.39	40.06	52.4	40.97
.....	30.96	32.12	4.68	0.50	33.64	51.7	46.52
.....	27.20	31.30	4.34	0.68	37.16	49.5	43.06
.....	27.62	31.62	3.88	0.65	37.22	53.4	43.56
.....	29.69	30.20	3.56	0.77	36.64	52.1	42.69
.....	29.64	30.96	4.00	0.97	35.40	52.0	44.00
.....	32.39	29.80	3.64	1.02	34.28	51.4	44.07
.....	28.68	33.00	3.94	0.92	34.28	50.7	49.79

## D. O'SULLIVAN, INSPECTOR.

.....	27.20	41.28	3.72	0.05	27.80	50.9	56.70
.....	24.88	34.24	3.50	0.65	37.38	52.8	43.58
.....	26.24	35.04	3.30	0.75	36.28	52.4	47.50
.....	26.12	33.69	3.08	0.76	36.20	53.0	46.74
.....	29.60	32.30	3.12	0.40	35.06	52.3	45.74
.....	28.16	32.00	3.12	0.72	36.72	50.9	44.54
.....	29.96	32.06	3.36	0.75	34.68	52.6	45.60
.....	28.60	31.75	3.44	0.79	36.21	51.9	44.47
.....	30.69	28.72	3.29	0.70	37.32	52.3	41.43
.....	25.48	33.89	2.90	0.81	34.82	50.0	47.26
.....	28.20	34.68	3.00	0.75	38.92	52.0	43.58
.....	28.36	32.86	3.52	0.92	35.16	50.7	46.00
.....	31.00	29.00	3.00	0.82	36.40	50.8	42.03
.....	29.68	32.02	3.44	1.00	33.96	52.5	46.81
.....	32.48	26.08	3.62	1.06	36.82	50.2	47.15